

**To:** Stephanie Vaughn/R2/USEPA/US@EPA[]  
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**From:** "Robert Law"  
**Sent:** Fri 8/17/2012 8:56:22 PM  
**Subject:** Sungel Beam Bathymetry  
[mime.jpg](#)

Stephanie:

Based on the scope that EPA has requested for the single-beam bathymetry, GBA has told us that this work will require a second boat because the boat they use for the multi beam survey cannot safely go in the shallow areas. This work will also be very tidal dependent.

Their initial reaction is that the single beam surveys could take 12 or more days; but they have not worked the logistics out.

They are working on the logistics and associated cost and they should have more information for the CPG next week.

With this understanding, can EPA reconsider whether there is a real value and need to survey areas such as the RM 10.9 Removal Area, the Phase 2 Removal Area and the Rte 3 bridge area?

Finally, I am concerned after our discussion yesterday that HQI does not have a good grasp of bathymetric changes that they believe support the need for doing single beam bathymetry to determine in-filling as part of this survey. The 1989 and 2004 Surveys are not the same transects as the Tierra 1995-2001 surveys and the CPG 2007 survey as shown below - are approximately 35 ft and 55 ft offset, respectively from the nearest CPG and Tierra SB transects.

It is very likely that any change that HQI believes is related to low rates of infilling in the flats and shoals is largely related to the use of the USACE 2004 SB transects in comparison to the Tierra 1995 SB transects. The CPG would find HQI's contention more compelling if they were comparing the 2007 SB transects to the 1995 SB transects.

The CPG will do as EPA directs, but believes that the rationale that HQI has set forth is not supported by a correct analysis of the data.

Thank you.

Have a good weekend.

R/

Rob

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